10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SLC16A8 Rabbit pAb

Catalog # AP96541

Product Information

Application	WB
Primary Accession	O35308
Other Accession	O35308
Reactivity	Human
Predicted	Rat, Mouse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	51556
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from mouse SLC16A8
Epitope Specificity	401-504/504
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the major facilitator superfamily. Monocarboxylate porter (TC 2.A.1.13) family.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SLC16A8 is a member of a family of proton-coupled monocarboxylate transporters that mediate lactate transport across cell membranes (Yoon et al., 1999 [PubMed 10493836]).[supplied by OMIM, Apr 2010]

Additional Information

Gene ID	57274
Other Names	MCT3; REMP; MOT3_HUMAN; SLC16A8; MCT 3; Solute carrier family 16 member 8; MOT3_MOUSE; Proton-coupled monocarboxylate transporter 3; MOT3_RAT; solute carrier 16 (monocarboxylic acid transporters), member 8; solute carrier family 16 (monocarboxylate transporter), member 8; monocarboxylate transporter 3
Dilution	WB=1:500-2000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	Slc16a8

Synonyms	Mct3
Function	Probable retinal pigment epithelium (RPE)-specific proton- coupled L-lactate transporter (By similarity). May facilitate transport of lactate and H(+) out of the retina and could therefore play an essential role in maintenance of metabolic and ionic homeostasis of the outer retina (PubMed:18524945).
Cellular Location	Basolateral cell membrane; Multi-pass membrane protein. Note=Basolateral sorting signals (BLSS) in C-terminal cytoplasmic tail ensure its basolateral expression (By similarity). Colocalizes with BSG in basolateral cell membrane of the retinal pigment epithelium (PubMed:18524945) {ECO:0000250|UniProtKB:O95907, ECO:0000269|PubMed:18524945}
Tissue Location	Expressed exclusively in retinal pigment epithelium and choroid plexus epithelium.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.